NAME OF WORK:- PACKAGE-9, (Includes 2 Works of Rs 200.00 lakhs) 1) IMPROVEMENTS TO ROADS AND DRAINS AT SINGAPURA, SINGAPURA GARDEN, VALMIKI NAGARA, ASHERAYA LAYOUT, KUVEMPUNAGARA & NAIDU LAYOUT IN WARD NO. 11 KUVEMPUNAGARA. 2) IMPROVEMENTS TO ROADS AND DRAINS AT TEACHERS LAYOUT, RAGHAVENDRA COLONY, BALAJI LAYOUT, SHRINIDHI LAYOUT, VAISNAVI LAYOUT, SAI GARDEN, M S PALYA, BHARATH NAGARA, CHINNASWAMY LAYOUT, MARUTHI LAYOUT, VINAYAKA NAGAR, SINGAPURA PARADISE, IN WARD NO. 11 KUVEMPUNAGARA.

First and Final Bill

PMC

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 19-06-2021

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **"Package No.09(Includes 2 Works of Rs.200.00 Lakhs: 1) Improvements to Roads and Drains at Singapura, Singapura Garden, Valmiki Nagara, Ashreya Layout, Kuvempunagara & Naidu Layout in Ward no.11 Kuvempunagara. 2) Improvements to Roads and Drains at Teachers Layout, Raghavendra Colony and Balaji Layout, Srinidhi Layout, Vaishnavi Layout, Sai Garden, M S Palya, Bharath Nagara, Chinnaswamy Layout, Maruthi Layout, Vinayaka Nagar, Singapura Paradise in Ward no.11 Kuvempunagara."**

Ref: 1. Work Order No: BBMP/EE/BTP/WO/162/2018-19

2. Job code: 011-18-000039, 011-18-000041

We are here with forwarding to Sri.Vasanthkumar K.N, No.57K, 13th Cross, 1st Block, Rajajinagara, Bangalore-560 010. First & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs.1,94,17,482.00/- (Rs. One Crore Ninety Four Lakhs Seventeen Thousand Four Hundred and Eighty Two Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

Attachments PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:- **Package No.09(Includes 2 Works of Rs.200.00 Lakhs) : 1) Improvements to Roads and Drains at Singapura, Singapura Garden, Valmiki Nagara, Ashreya Layout, Kuvempunagara & Naidu Layout in Ward no.11 Kuvempunagara. 2) Improvements to Roads and Drains at Teachers Layout, Raghavendra Colony and Balaji Layout, Srinidhi Layout, Vaishnavi Layout, Sai Garden, M S Palya, Bharath Nagara, Chinnaswamy Layout, Maruthi Layout, Vinayaka Nagar, Singapura Paradise in Ward no.11 Kuvempunagara.**

Name of Client : EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION,BBMP, BANGALORE

Contractor/ Agency: Sri.Vasanthkumar K.N, No.57K, 13th Cross, 1st Block, Rajajinagara, Bangalore-560 010.

Total Cost : Rs.1,94,17,482.00/-

Date Of Inspection : 19-06-21

Status Of Bill : First & Final Bill

In the Presence of : a) Assistant Engineer ,Ward no-7 ,Byatarayanapura division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly dressed as per specifications and as per the directions of the Engineer-in-charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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3	Removing and refixing stone slabs of drains and pointing in CM (1:3) as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
4	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
7	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. and unloading and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
8	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
9	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
10	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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11	Providing,laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet mix macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
12	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
13	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
14	Providing and applying tack coat using 80/100 grade bitumen (VG 10) on granular base such as WBM surface hot bitumen primed at 4kg per 10 sqm heating bitumen in boiler with spray set (Excluding cleaning of Road surface) inlcuding cost of all materials, labhour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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15	Providing and laying bituminous macadam on prepared surface with crushed coarse as per design mix formula for base / binding courseincluding loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant,transporting the mixed material in tipper to paver and laying mixed materials, with paver finisher to the required level and grade,rolling by power roller to achieve the desired density,but excluding cost of primer/tack coat including lead,lift and cost of all materials,labour,HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
16	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
17	Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.20kg per sqm on the existing prepared bituminous surface cleaned with mechanical broom. complete as per specification. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
18	Providing and laying bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler,transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as per MORTH specification and as per the directions of the Engineer-in-charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
E1	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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